

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Plant Protection & Quarantine  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Interstate Movement  
**Regulated by 7 CFR 330**

**This permit was generated electronically via the ePermits system**

<b>PERMITTEE NAME:</b>	Brian Vaughan	<b>PERMIT NUMBER:</b>	P526P-19-00656
<b>ORGANIZATION:</b>	Monsanto, Agradis Campus	<b>APPLICATION NUMBER:</b>	P526-181213-007
<b>ADDRESS:</b>	6650 Nancy Ridge Drive San diego, CA 92121	<b>FACILITY NUMBER:</b>	3546
<b>MAILING ADDRESS:</b>	6650 Nancy Ridge Drive San diego, CA 92121	<b>HAND CARRY:</b>	Yes
<b>PHONE:</b>	619-368-1269	<b>DATE ISSUED:</b>	02/07/2019
<b>FAX:</b>		<b>DATE AMENDED:</b>	05/01/2019
<b>DESTINATION:</b>	6650 Nancy Ridge Drive, San Diego, CA 92121	<b>EXPIRES:</b>	02/07/2022
<b>RELEASE:</b>	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Agrotis ipsilon	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Diabrotica barberi	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Diabrotica virgifera	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Helicoverpa zea	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Heterodera avenae	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Heterodera glycines	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Heterodera schachtii	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations	

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PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

*Carlos A. Blanco*  
**Carlos Blanco**

DATE

05/01/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Heterodera trifolii	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations
Spodoptera frugiperda	Any	Research - Growth Chamber (lab included)	AK, AS, GU, HI, PR, VI, Continental U.S.	Originally Collected from Foreign and Domestic Locations

### PERMIT GUIDANCE


- 1) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_an\\_products.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml)
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

### PERMIT CONDITIONS

USDA-APHIS authorizes Brian Vaughan, Monsanto, Agradis Campus, 6650 Nancy Ridge Drive, San Diego, CA, to move all life stages of the regulated pests listed above from the continental United States, Alaska, American Samoa, Guam, Hawaii, Puerto Rico, and the U.S. Virgin Islands, for laboratory research in the USDA-APHIS approved Facility Number 3546 at the address above. All these conditions must be followed:

1. All packages for transport must minimally consist of both inner/primary and outer/secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of the regulated pests listed above. The inner/primary package(s) will contain all regulated pests and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

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2. This permit only covers the listed regulated pests. Work with plant diseases that these insects may transmit originating from outside of the destination state requires a separate permit.
3. Modifications to the containment facility 3546, or any changes that affect the containment of the regulated pests must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@aphis.usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
4. This authorization is not valid for field research, greenhouse work, or release into the environment.
5. Breeding putatively resistant or Bt-resistant species among themselves, or breeding putatively resistant or Bt-resistant species with Bt-susceptible strains may produce Bt-resistant insects and these (>F1) generations must follow all the above described conditions.

No greenhouse or field release is authorized with these Bt-resistant and putatively Bt-resistant regulated insects.

6. All the regulated insects must be maintained under escape-proof conditions in the APHIS-approved Facility Number 3546 area at the work address indicated on this permit. Regulated insects must be removed from this facility or other designated area only with prior authorization from APHIS. Only the evaluated area is authorized for containment. Other rooms require specific approval. Access to this area must be restricted to authorized personnel only.

The capacity of these insects to escape (dig, claw, push, fly, or chew through wood, plastics, or metals) must be considered in containment design.

Collection methods must be available to catch escaping regulated insects.

All materials removed from caging must be thoroughly examined for regulated pests, and disposed of following the waste disposal condition.


7. **WASTE DISPOSAL:**

All regulated pests and all items coming in direct contact or exposed to these insects must be sterilized/sanitized/decontaminated prior to removal from the authorized containment facility. This includes all items from shipping, culturing, care, and maintenance of the regulated pests. This requirement includes but is not necessarily limited to: packaging directly exposed to the regulated materials/organisms, substrates (culture media, soil, plant materials (food materials or host plants)), leftover/unused/unneeded live cultures, and dead specimens/cultures unless specified otherwise in the permit.

All waste materials must be treated by one of the follow methods prior to disposal:

Use any of the following, either alone or in combination: 1) autoclaved, 2) or disposed of as medical /biohazard waste with bonded contracted company or, 3) or incinerated, 4) or frozen at minus 29 Celsius (minus 20 Fahrenheit) for 72 hours (Note: this is colder than a conventional

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refrigerator/freezer), 5) or immersed in Sodium Hypochlorite (6 percent household bleach) for at least 60 minutes, or 6) immersed in 70 percent alcohol for at least 30 minutes.

Treated waste as in 1) to 6), must be double bagged prior to disposal.

Upon completion of research, all inoculated plants, plant material, soil and/or growing media must be treated by heat or chemical means sufficient to kill, destroy, or otherwise deactivate plant pathogens. All materials used to conduct research must be decontaminated prior to reuse or disposal.


Devitalization/destruction of organisms and infected material may also be conducted off site by a facility holding a valid PPQ compliance agreement prior to disposal. Vendor may or may not be in the same state. All organisms, contaminants and/or packaging materials must be in sealed containers during transport to this waste management facility in order to prevent any unauthorized dissemination of the regulated articles.

8. There is to be no further movement or distribution of the listed regulated pests within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such regulated insects.
9. All persons working with the listed regulated pests must be informed of these permit conditions. Anyone working with these materials/organisms must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

10. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,

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- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

11. • This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
- The permit number or a copy of the permit must accompany the shipment.
  - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
  - You are legally responsible for complying with all permit requirements and permit conditions.
  - If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
  - Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.

### END OF PERMIT CONDITIONS

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